

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-8 (canceled).

9 (Currently Amended): A method for dismounting plugs from a printed circuit board, ~~wherein each of the plugs comprises a main body and a wire exit extending approximately 45 degrees from the main body, the method comprising:~~

rotating a plurality of first plugs in a two dimensional array so, each of the plugs comprising a main body and a wire exit extending at a selected angle from the main body and after rotation each first plug's wire exit does not interfere with a second plug in the two dimensional array; and

unplugging the second plug from the printed circuit board without affecting any of the first plugs.

Claims 10-11 (canceled).

12 (Previously presented): The method of claim 9, further comprising:
rotating a third plug so its wire exit does not interfere with a fourth plug yet to be plugged in; and
plugging in the fourth plug on the printed circuit board.

13 (Previously presented): A connector assembly, comprising:
a printed circuit board;

a plurality of identical straight jacks mounted to the printed circuit in at least one row and at least one column;

a plurality of identical angled plugs mounted to said plurality of straight jacks to form a two dimensional array, each of the angled plugs comprising:

a tubular main body along a first axis, the main body comprising a chamfered end surface and a snap-on coupling mechanism for connecting the plug to a jack;

a tubular wire exit extending from the main body along a second axis, the second axis being parallel to the chamfered end surface and approximately at a selected angle from the first axis, the tubular wire exit having a second diameter C that is a smaller percentage of a pitch P than a first diameter B of the tubular main body, wherein pitch P is smaller of a pitch Px along the row and a pitch Py along the column;

wherein each of the angled plugs can independently rotate without interfering with other angled plugs in the two dimensional array.

14 (Original): The connector assembly of claim 13 wherein the selected angle is approximately forty five degrees (45°).

15 (previously presented): The connector assembly of Claim 13, wherein the plug conforms to SMB.

16 (Original): The connector assembly of Claim 13, wherein:
the first diameter B is at most 89 percent of pitch P.

17 (Original): The connector assembly of Claim 16, wherein:
the second diameter C is at most 59 percent of pitch P.

18 (Original): The connector assembly of Claim 13 wherein the selected angle is between 25° and 75°.

19 (Original): The connector assembly of Claim 13 wherein the selected angle is 45°.

20 (Original): The connector assembly of Claim 13 wherein the two dimensional array has equally spaced rows and columns.

21 (Original): A method for mounting and dismounting plugs to and from a printed circuit board, the method comprising:

mounting said plugs to a plurality jacks arranged on the printed circuit board to form a two dimensional array having a pitch P, wherein each plug being mounted comprises a main body and a wire exit, each wire exit extending approximately 45 degrees from the main body, each plug comprising (a) a tubular main body of a first diameter B that is approximately 89 percent of pitch P and (b) a tubular wire exit extending from the main body, the tubular wire exit having a second diameter C that is approximately 59 percent of pitch P, whereby each plug can independently rotate by at least 90° to the left or right without interfering with adjacent plugs;

rotating in different directions, a plurality of first plugs mounted on the jacks, thereby to make room for access to a second plug; and

unplugging the second plug from a jack without affecting any of the first plugs.

22 (Original): The method of claim 21, further comprising:

rotating a third plug so its wire exit will not interfere with a fourth plug yet to be plugged in; and

plugging in the fourth plug.

Please add the following new claims.

23 (New): The method of Claim 9 wherein the selected angle is between 25° and 75°.

24 (New): The method of Claim 9 wherein the selected angle is 45°.

25 (New): The method of Claim 9 wherein the two dimensional array has equally spaced rows and columns.

26 (New): The method of Claim 9 wherein:
the wire exit has a first diameter that is a smaller percentage of a pitch P than a second diameter of the main body; and
said pitch P is smaller of a first pitch along a row and a second pitch along a column of the two dimensional array.

SILICON VALLEY
PATENT GROUP LLP

2350 Mission College Blvd.
Suite 360
Santa Clara, CA 95054
(408) 982-8200
FAX (408) 982-8210